

Published by the Convair Division of General Dynamics

**First Vertical Launch of Tomahawk****Successful**

Tomahawk T-18 was successfully launched on September 13 from a ground-based vertical launcher at San Nicolas Island. This was the first time Tomahawk has been launched vertically.

All major objectives were met, including ignition of the solid-propellant boost motor, vertical launch and vehicle control, and mid-air start of the turbofan sustainer engine.

Equipped with an anti-ship missile guidance set with an active radar seeker, T-18 flew a successful long-range, over-the-horizon, target acquisition flight against a target ship located off the coast.

Yesterday's flight was the 47th Tomahawk flight and the fifth from a ground platform. We have made 28 flights from the wing of a Navy A-6 aircraft, 13 from underwater, and 1 from a ship-motion simulator. Tomahawk missiles have now accumulated about 41 hours of free flight, during which they have flown almost 18,000 miles.

**Atlas/Centaur-53 to Launch Astronomy Observatory September 19**

Atlas/Centaur-53 is scheduled to launch the high-energy astronomy observatory (HEAO-C) from Cape Canaveral at 10 p.m., PDT, on September 19. HEAO-C will perform an all-sky survey of cosmic rays and gamma rays.

The HEAO, a three-mission project, places scientific payloads into circular, low-altitude (260 to 290 nautical miles) earth orbits. In the program, celestial high-energy radiation sources will be located, identified, and analyzed. Comprehensive sets of high-energy radiation data will be collected from supernovae, neutron stars, nebulae, and quasars.

The HEAO-A mission, successfully launched 12 August 1977, conducted an all-sky survey of radiation ranging from soft x-rays to higher-energy gamma rays. The HEAO-B mission, launched 13 November 1978, is an x-ray pointing mission with a high resolution telescope. Using source data from HEAO-A, the telescope accurately locates and acquires detailed radiation data.

**CRA Fitness Course Starts Today**

Get back in shape and have fun in the CRA cardiovascular fitness course starting September 17. The twelve-week course will meet three times a week on Monday, Wednesday, and Friday from 4:30 p.m. to 5:30 p.m. Each class includes warm-up, jogging and aerobic activity, cool-down, and stress reduction exercises. A 30-minute lecture on health education is given each week. Fee for the course is \$45, and it is open to all General Dynamics employees and their families. Enroll at CRA, ext. 1111.

**IT'S UP TO YOU**

**TO SAFEGUARD**

**CLASSIFIED INFORMATION!**

GENERAL DYNAMICS  
Convair Division

**Security — Everybody's Business**

We have recently kicked off a Security/Plant Protection Awareness Program. This campaign, featuring monthly posters and Weekly Log items, is to remind us all of the importance and obligation of protecting classified or privileged information that is essential to the nation and General Dynamics. Each General Dynamics employee is responsible for protecting and safeguarding classified information at all times, both on and off the job. Any classified information in your possession is your responsibility for safeguarding, at all times.

**CPR Can Save a Life — Enroll in a CPR Class Now**

Cardiopulmonary resuscitation is a life-saving technique that is used in cases of heart attack and choking. Your ability to perform CPR can mean the difference between life and death to someone you know.

Three Convair/NMA-sponsored courses will be offered to Convair employees beginning September 27. Each course will be taught by Joe Harrison of the Convair Fire Dept. in the Kearny Mesa plant's cafeteria. A CPR Refresher course, for those who have attended a CPR course and want to be recertified, meets Thursday, September 27, from 5:30 to 9:30 p.m.

The CPR Basic course, for anyone who has never taken CPR instruction, will be offered twice. CPR Basic is offered from 9 a.m. to 1 p.m. on Saturday, October

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6, and on Saturday, October 13 from 9 a.m. to 1 p.m. All courses are open to Convair employees, their families, and friends. To register, call Linda Barron, KM 1525.

#### **CRA Travel**

A few seats are still available for the September 22 Queen Mary outing. After shopping and sightseeing in Ports O'Call, enjoy "Accommodations" aboard the Queen Mary. Following this delightful comedy and an hour of exploring the ocean liner, a Mongolian Barbecue dinner will wind up the trip. Leaving CRA at 9 a.m. and returning about 9:30 p.m., this Saturday excursion on September 22 includes transportation, dinner, and the show for \$22.50 per person.

#### **Free Fitness Evaluation for New CRA Members**

Join the CRA Health Fitness Center before October 15 and get a free fitness profile evaluation. Open to all General Dynamics employees, membership is available in one of three plans:

Plan I, Full-Privilege membership, includes an exercise prescription, use of the weight training room, sauna, locker room facilities and shower, plus admission to health fitness lectures for an annual fee of \$70. The prorated fee to April 1980 is \$41.

Plan II, Runner/Jogger/Tennis Player membership, offers use of the light exercise and stretching room, an exercise prescription, sauna, locker room facilities and shower for \$40 per year. Prorated fee to April 1980 is \$23.

Plan III, Family Plan, includes three members per family. All members must be living at home. CRA facilities under Plan III are the same as for Plan I, for \$95. Each additional family member is \$10. The prorated fee is \$55.

#### **Power Outage Cancelled — Lack of Interest**

Industrial Relations has announced the cancellation of a planned power outage for Saturday, September 23. This was one of two planned outages, the first of which took place on Sunday, September 16. All systems will be functioning normally on September 23.

#### **Who Says "The Thrill is Gone?" with B.B. King Coming to PB**

The legendary Blues performer, B.B. King, will appear at the Catamaran Hotel in Pacific Beach on Thursday, September 27 and Friday, September 28 at 8:00 p.m. Tickets for this CMA-sponsored outing are \$8.00 and can be purchased from Jim Martin (KM-1937) or Judy Braun (LF-4247).

#### **Machine Shoppers Help Chargers Stomp Oakland**

Four employees from the Machine Shop, Dept. 015, watched the San Diego Chargers beat the Oakland Raiders a week ago. The four were selected by Machine Shop top management as high-achievers over the last several months, based on production, quality of work, and general contribution. Cheering on the Chargers were I. Bates, Pedro Flores, Chuck Sanford, and Max Silvers. Congratulations for jobs well done.

#### **Management Seminars.**

The National Management Association will hold seminars during September and October on the subject of "Managerial Leadership." Beginning 18 September, two-hour sessions (4:30 to 6:30 p.m.) will be conducted on four consecutive Tuesdays. Classes (limited to 12 attendees) will meet in Room 8 of KM's Educational Services Building (bldg. 17). These seminars are free to Convair Management Assoc. members, with a \$5 fee for non-members. For reservations or further information, contact Jim Matthews at ext. KM-1491.

"Practical Supervision" seminars will be conducted by the NMA on consecutive Wednesdays (4:00 to 6:00 p.m.), from September 26 until October 17. Bill Messer will conduct these examinations of the real-world approach to today's supervisory environment. Classes are limited to 12 participants, and will be held in the conference room of Lindbergh Field's bldg. 33. Course materials and instruction are free to all NMA members, with a \$4 fee for non-members. For information or to register (first-come basis), contact Klaus Flitner at LF-4340.

#### **CRA Ballroom Dancing Classes.**

A new series of ballroom dance classes will start September 24 in the CRA clubhouse auditorium. Classes will meet from 7:00 to 8:00 p.m. for beginners, and 8:00 to 9:00 p.m. for intermediates, each Monday (except Oct. 22) for 10 weeks at a cost of \$20 per couple. Brush up on your ballroom steps and Latin hustle prior to the holiday season. For more information contact Royce Riggan, KM-3276.

#### **Cool It — With A Turn Off At KM**

If your work area has south-facing windows (bldgs. 1, 3, and 4), you can help to cut down our peak electrical power demand by turning off the overhead lights after 10 a.m. This will also help to keep your area a little cooler during hot weather.

#### **DC-10 Delivery**

Fuselage No. 314 was delivered to McDonnell Douglas on last week, as scheduled.

#### **"Three Times a Day"**

They say we are what we eat. Interviews with cardiologists and nutritionists in this week's movie make it abundantly clear that Americans must change their eating habits *now*. In direct, forceful fashion, "Three Times a Day" warns against overconsumption of fatty foods and offers a practical guide to proper nutrition. As the film says: the prudent diet can save your life.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11:00 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

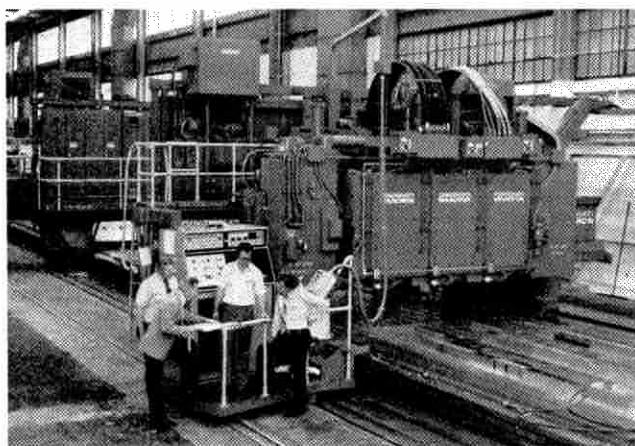
#### **Employment**

For the week ending September 9, employment was 8,969.

# CONVAIR Weekly Log

September 24, 1979

Published by the Convair Division of General Dynamics

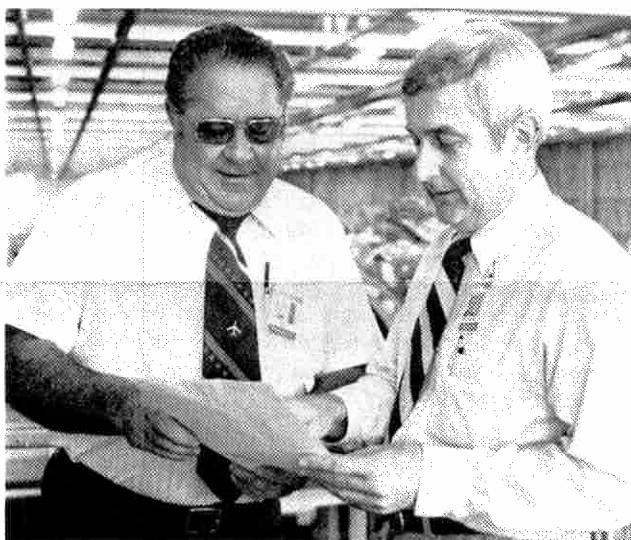


## New Profile Milling Machine

The Convair Division's newest major machining equipment has been checked out and turned over to the Machine Shop (Dept. 015) for production proofing. The six-by-five dual gantry Cincinnati Profiler is a major advance in our ability to do profile milling, the carving of complicated shapes, and a significant investment by General Dynamics in the future of the Convair Division.

The new machine is located at Plant 19 in building 1. It is an impressive machine as can be seen in the photograph. The bed, where the parts are held while they are machined, is 90 feet long, allowing our machinists to do milling in five axes on parts up to 60 feet long. The long bed means we will be able to operate both gantries while unloading finished parts or setting up new ones.

Many people were involved in the planning, acquisition, installation, and checkout of the new machine. Coordinating the efforts were John Smithson of Facilities Engineering and George Carroll of Operations Staff. Key installation personnel were Jack Strong and Bob Miranda of Facilities Engineering; checkout — Earl Smith of Quality Assurance, Connie Snyder and Danny Tucker of Manufacturing Engineering, and Ski Opocensky of Manufacturing Control; acquisition — Joe Maloney (now of Facilities Engineering) and John Talbot of Procurement; planning — Tony Coker of Manufacturing Engineering and Bill Ladd of Facilities Engineering; Computer — John Doggett and Roland Hagar of WDSC; checkout machine operator — Bill Brown. Machine operators (all numerical control machinists from Dept. 015) will be Brown, Ed Dunbar, Bob Smith, John Soures, and Jim Strickland. Supervisors are Bob Franklin and Dave Petty.



Andy Young, Operations Supervisor Dept. 043, compares notes with Bob Foushee (on right) new Vice President of Aircraft Programs.

## New Vice President of Aircraft Programs

For Bobby Foushee, his new assignment as Vice Presi-

dent of Aircraft Programs is a career reunion. Prior to becoming Industrial Relations Director, a post he held for the past 4½ years, he had served in a variety of program management assignments at Convair, the last as Centaur Program Manager for five years.

Bob joined Convair in 1957 upon graduation from Virginia Polytechnic Institute with bachelors and masters degrees in chemical engineering. In 1974, he added a masters in business administration from Pepperdine University.

Bobby, his wife, Carolyn, and their son Scott live in La Jolla. One of their favorite family activities is skiing. They have given support to several community programs, including the Globe Theater and the Salk Institute. Bob has been actively involved with the Mexican & American Foundation, having served as a charter trustee and third vice president. In 1976, he was named Man-of-the-Month by the foundation.



## New Industrial Relations Director

Convair's new Industrial Relations Director, Augie Daddi, first came to San Diego in 1950 with the United States Marine Corps. He joined Convair in 1952 and has had a varied career within General Dynamics. With Convair, he did a tour at Vandenberg Air Force Base where he served as President of the VAFB chapter of the National Management Association and also was the Council President for the Pacific Northwest Area of Management Associations.

Augie was with the Quincy Division for nine years and then returned to Convair in 1974. He held several assignments in Industrial Relations and was the manager of Management Relations and Personnel Placement prior to becoming IR Director.

Augie, his wife Vi, and their two teenagers live in Solana Beach. Their two older children are married. Tennis and water-skiing are two of Augie's favorite pastimes.

## Atlas/Centaur-53 Launched Astronomy Observatory September 20

Atlas/Centaur-53 successfully launched the high-energy astronomy observatory (HEAO-C) from Cape Canaveral at 1:28 EDT on September 20. HEAO-C will perform an all-sky survey of cosmic rays and gamma rays.

The HEAO, a three-mission project, places scientific payloads into circular, low-altitude (260 to 290 nautical miles) earth orbits. In the program, celestial high-energy radiation sources will be located, identified, and analyzed. Comprehensive sets of high-energy radiation data will be collected from supernovae, neutron stars, nebulae, and quasars.

## Con-Trib Club Drive this Week

Dr. Buchanan has announced the kickoff of the 1979 employees' Con-Trib Club Campaign. Con-Trib provides a convenient mechanism through which employees can support recognized community health, welfare, and

educational agencies. Con-Trib Club funds are disbursed by the club Board of Directors, composed of thirteen employees representing the labor unions, the Convair Management Association, and General Dynamics, and chaired by Ray Mendoza. The employees on the board bring much experience and professional judgment to the decision process in which they represent all the employees donating through Con-Trib.

Contributions are voluntary and tax-deductible. The vast majority of Convair employees have recognized the convenience and professional management of the funds that Con-Trib Club represents. This week coordinators for each department are contacting supervisors to provide them necessary information about the drive and all employees will be contacted by their supervisors to urge their continued or first time support of Con-Trib. Please consider joining in if you are not a member and continue to extend your support if you are a current member. Many employees ask what is considered an appropriate donation. One guideline is a donation of 8/10 of one percent of base pay. Minimum contribution is 50¢ per week for hourly employees or \$1 per pay period for salaried.

Your support of Con-Trib means a wide scope of services not met by governmental means will receive needed funds.

**Where do Con-Trib Dollars go?** — Your contributions to Con-Trib are disseminated by the club Board of Directors to a wide variety of community agencies. Some examples are Boys and Girls Clubs (youth activities), Family Service Association and the Home of Guiding Hands (human care), The Burn Center and Arthritis Foundation (medical research and care). The main recipient of funds is the United Way, a blanket organization comprising 74 different agencies. CHAD (Combined Health Agencies Drive) represents thirteen different agencies. The Con-Trib Club Board also provides contributions to worthy groups not covered by either United Way or CHAD (the Home of Guiding Hands is an example) and to General Dynamics employees in need through the Con-Trib emergency aid fund. So you see that you are able to lend a helping hand to many worthy causes through the Con-Trib Club.

**Half-Million Dollars Disbursed this Year through Con-Trib** — Art Medrano, Con-Trib Club Treasurer, advises that employees' contributions to Con-Trib will have been distributed this fiscal year (with estimates for September, the final month) as follows:

United Way/CHAD agencies	\$397,000
Other agencies*	\$74,000
Employees emergency aid	\$29,000

\* Examples include the Home of Guiding Hands, Burn Center, Leukemia Society, the Escondido Community Clinic, etc. Administrative costs for Con-Trib Club are \$14,520 for this fiscal year.

#### **DC-10 Delivery**

We delivered DC-10 fuselage number 315 to McDonnell-Douglas last Tuesday as scheduled.

#### **LF TWX Room Moves**

The LF TWX room has been moved to bldg. 53 (old cafeteria).

#### **Aircraft/Weapons Familiarization Tour**

On September 26, CMA is sponsoring a "Miramar Aircraft/Weapons Familiarization" tour. The tour group, limited to 25 participants, will meet at the East Gate, bldg. M-310, at 4:15 and leave the parking lot by bus at 4:30 on Wednesday. The two-hour tour will include a visit to the Navy Fighter Weapons School and inspection of an F-14/E2C aircraft. For information and reservations, please call Elaine Paras, Outside Tour Coordinator, at KM-1691.

#### **Toastmasters Introduce Speaking Course**

Toastmasters offers the opportunity to learn effective speaking and improve your confidence in a helpful and understanding atmosphere. Dynamic Toastmasters 457 will be presenting an 8-week introductory speaking course starting October 11, and meeting Thursdays from 5 to 7 p.m. The fee is \$4.00. Now is the time to develop into the confident communicator you always knew you could be. For more information or registration, contact Teri Norris (LF 400) or Terry Medina (KM-2434).

#### **CRA/CMA Reminders**

##### **• Management Seminars**

"Practical Supervision" is the topic in these Wednesday-night seminars (4 to 6 p.m.), starting Sept. 26. The seminars will meet in Lindbergh Field's bldg. 233. Contact Klau Flitner at LF-4340.

##### **• Stop-Smoking Seminar**

General Dynamics and CRA Health Fitness Center, Convair Health Education Comm., and the Schick Center are presenting a free introductory overview to kicking the smoking habit. The free introductory session is scheduled for 4:45 p.m. on Monday, Sept. 24, in the Engineering auditorium (bldg. 5, 2nd fl) at Lindbergh Field; and 4:45 p.m. on Wednesday, Sept. 26, in the CRA Clubhouse. Interested participants may take the Schick program to stop smoking in subsequent session at 50% the usual program cost.

##### **• CPR Basic & Refresher Courses**

CMA is sponsoring a refresher course (for those already familiar with cardiopulmonary resuscitation) and a two-part basic course taught by Joe Harrison of the Convair Fire Dept. The recertification course will be held from 5:30 to 9:30 p.m. on September 27 in the KM cafeteria. The two sessions in the credited basic course are scheduled for 9 a.m. to 1 p.m. on Saturday, October 6 and 13. To register, call Linda Barron at KM-1525.

##### **• CRA Ballroom Dancing classes**

Join the fun in the CRA clubhouse auditorium on Sept. 24. Beginners classes meet from 7 to 8 p.m., intermediates from 8 to 9 p.m. The cost for 10 weeks is \$20 per couple. Contact Royce Riggan at KM-3276.

##### **• B.B. King at the Catamaran**

A few seats are still available (\$8.00 each) to see B.B. King on Thursday, Sept. 27. Contact Jim Martin (KM-1937) or Judy Braun (LF-4247).

#### **Santa Maria Barbecue**

All Convair employees, families, and friends are welcome to join the fun at Missile Park on Saturday, September 29. The Santa Maria barbecue will feature good food as well as games, prizes, contests, rides, entertainment and dancing. Tickets are available from CMA Boosters: \$4.75 for adults, \$2.25 for children 12 and under. If you want to camp overnight on Friday and/or Saturday, reserve space now. For reservations call Truett Shipley (KM-2295), Coline Daugherty (KM-3704), or Connie Bates (KM-1354).

#### **This Week's Movies**

"In Search of Justice," presented by the American Bar Association, is the week's educational movie.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11:00 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

**Employment** for the week ending September 16, employment was 8,997.

# CONVAIR Weekly Log

October 1, 1979

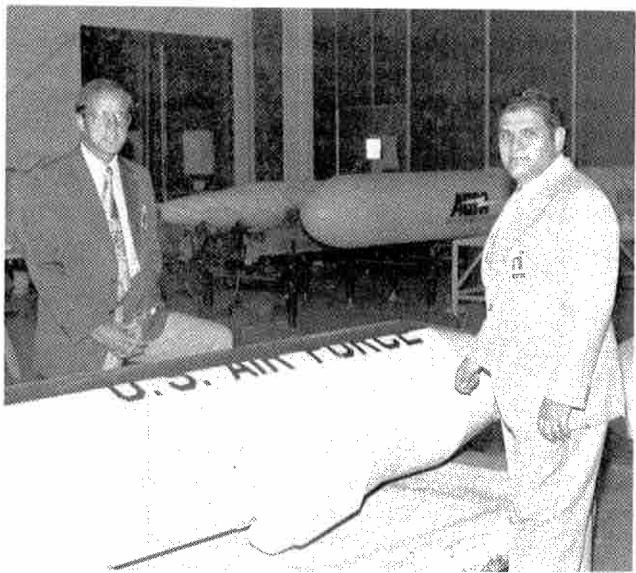
Published by the Convair Division of General Dynamics



Lou Lau (left), Machine Shop Superintendent, presents Nunez his certificate for completing the apprenticeship program.

### Rocky Nunez Completes Apprentice Program

Rafael (Rocky) Nunez recently received his journeyman certificate and pin in a ceremony that marked his completion of Convair's four-year apprenticeship program. He has completed all requirements for his associate in science degree from San Diego Evening College and holds a bachelor of arts degree from San Diego State University. Rocky is a jig bore machinist in the Machine Shop (015).



### USAF Officers Here for Industry Training

Joining Convair under the 1979-80 Education with Industry (EWI) program are Captain Robert J. Behr (left, above) and Major Michael P. DeNigris. The Air Force officers arrived September 4 for ten months of work-study training in industrial management.

In three phases of study, the career officers selected for the Air Force Institute of Technology program receive solid background in industry activities. The program includes general orientation for the first two weeks, followed by departmental visits and on-the-job assignments.

Major DeNigris' assignment at Convair follows a three-year stay at Ramstein Air Base, Germany, where he performed logistics planning as Chief, Plans and Programs Branch, for the 86th Tactical Fighter Wing. Intraservice, interservice, international support agreements, and coordination with NATO allies were among his responsibilities. Before that he served four years with the Headquarters of the Ninth Air Force at Shaw Air Force Base, South Carolina. He entered the Air Force in 1967, and was promoted to Major in April, 1979.

A native of New York City, Major DeNigris is a 1967 graduate of Manhattan College (BS in business administration) and earned his MS in logistics management at the Air Force Institute of Technology. During his stay at Convair, De Nigris will live in San Diego with his wife, Anna, and his two daughters.

Captain Behr has just returned to the U.S. from Hessisch Oldendorf Air Station, Germany, where he was responsible for financial management of the Air Force 600th Tactical Control Group. In a prior assignment, at Hanscom Air Force Base, Massachusetts, Behr participated in Cost/Schedule Control System Criteria validations. He entered the Air Force in 1973, and received his promotion to Captain in 1977.

Captain Behr graduated from the University of Notre Dame in 1973 (BS in business administration) and earned his MBA from Northwestern University in 1976. While assigned to the EWI program, Behr and his wife, Pamela, will live in San Diego.

### Get Discount on Hertz Car Purchase

Hertz is offering Convair employees \$250 discounts on the purchase of Hertz late-model used cars. These are selected rental cars from the Hertz fleet and include a coast-to-coast Hertz limited warranty that covers parts and labor in the power train assembly for twelve months or 12,000 miles.

You can check the service and maintenance records as well. This discount is valid through October 31, 1979, but does not apply to advertised specials. Get full information from Hertz at 6th and Ash, or if you are outside San Diego, call (800) 654-3131 for the Hertz corporate location nearest you. Take your company badge when you go there and tell them the Convair ID number is 55539.

### No Salvage Yard Sale This Saturday

A lack of enough materials has cancelled the October salvage yard sale at Lindbergh Field, which would have been on October 6.

### LF Display Shop Offers Presentation Help

Few people know of Convair's display shop, a part of Lindbergh Field's Aerotest Engineering Group that produces a wide variety of three-dimensional displays. Led by Jerry Blumenthal, this shop offers an aggregate of over fifty years experience in the unique field of presentation displays.

Turning concepts into presentations and displays that sell your idea is routine for the shop. For information or help with your project, call Jerry at ext. 4268.

### Stock Plan Values for July

Here are the unit values in dollars for the General Dynamics savings and stock investment plan as of July 31, 1979.

The values for salaried employees are: government bonds, 2.1943; diversified portfolio, 1.4585, General Dynamics stock, 32.25, and fixed income, 1.0079.

The values for hourly employees are: government bonds, 2.1947; diversified portfolio, 1.4922, and General Dynamics stock, 32.25.

### Now at LF Too —

### CRA Fitness Classes Start This Week

CRA fitness classes are designed to meet personal needs based on each individual's age, weight, sex, condition, and goals.

The first class to be offered in the Lindbergh Field area will be held in Spanish Landing Park, across from the new airport terminal. The class starts on October 5. It will meet from 3:45 to 4:30 p.m., three times a week for six weeks. The fee is \$27.50. The class at Kearny Mesa, which will be held in Missile Park, begins on October 8. The fee is \$45 for the twelve-week course, which meets three times a week from 4:45 to 5:30 p.m. For further information, call Marc Michaelson at ext. 1111.

## People Are Asking . . .

### About the Dental Claim Form

*On the dental claim form, how do we answer sections (11) Group Number and (12) Location (local)?*

You need not respond to these sections. (The dental form is a standard one adapted for Convair's use.) Make sure you indicate General Dynamics Convair in section 9.

### 'Junior Achievement' Seeks Advisors

Every year under the Junior Achievement program, high school students organize and run their own companies, deciding on a product, manufacturing and marketing it, keeping books, and issuing stock. They gain first-hand experience in operating a business and finding out how our free-enterprise system works.

All Convair employees are invited to volunteer as advisors for the JA groups sponsored here by the Convair Management Association. You'll get together with an appreciative group of young people one evening a week starting October 22 and running through next May. Advisor training is available. Call Bob Packer at ext. 2600.

### All Out for LF Fitness Rally on Wednesday

If you're fit enough to make it to the rally, the rest is easy. It's free. Bring your lunch and take part in the informal Q&A session and discussion. The rally will be on October 3, from 11 to 11:45 a.m., in the building 14 auditorium at the Lindbergh Field plant.

### Attend Human Effectiveness Seminar Oct. 11

Here is an opportunity to learn techniques for overcoming self-imposed limitations, achieving personal and career goals, and increasing self confidence. Dr. Gary Meggelin of the United Learning Institute will conduct the seminar, which is being sponsored by the Convair Management Association.

It will be held from 5:30 to 8:30 p.m., October 11, in the Kearny Mesa cafeteria. The fee is \$12 for CMA members and \$17 for nonmembers. Reserve by 4 p.m., October 8. Call Joyce Smith, ext. 1275.

### 'When in Doubt, Mumble'

### Author Tops CMA Meeting Oct. 24

James Boren, the wise and witty expert in bureaucratic obfuscation, is the author of "When in Doubt, Mumble" and other books on how to avoid strangling in red tape.

The Convair Management Association dinner meeting will be held the evening of Wednesday, October 24, at the Islandia. It will include a drawing for prizes and a showing of the Convair-produced corporate film that was shown at last May's Paris Air Show. Tickets are \$9 for CMA members and \$11.25 for nonmembers. All CMA representatives have them.

### Speechcraft Says:

### 'Nervousness Out, Poise In!'

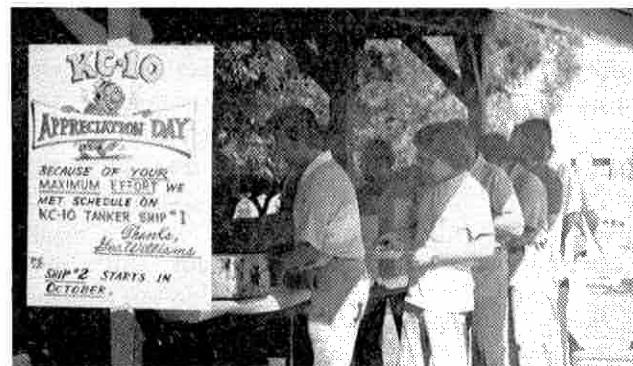
Need to improve your public speaking? Join the Speechcraft speaking course presented by Dynamic Toastmasters 457. For just \$4, the eight-session public speaking course offers constructive suggestions from experienced Toastmasters and an opportunity to practice your public speaking. Take the word of one Speechcraft graduate who says, "I periodically make oral presentations and I joined Speechcraft to help me with my nervousness. The class gave me confidence and it was great fun!"

Speechcraft begins October 11 and will meet on Thursdays from 5 to 7 p.m. in the CRA clubhouse, room C. To enroll, call Teri Norris, ext. 4070, or Terry Medina, ext. 2434.

### Early-Bird Christmas Card Special

Over 500 styles of Season's Greetings can be ordered direct (at 40% discount) through the CRA clubhouse. You can look through the catalogues between 7 a.m. and 9 p.m. at the clubhouse. Carol and Loretta (ext.

1111) will help you if you have any questions, but you order directly from the publisher/distributors. Order before October 15, and get your return address printed on the greeting card envelopes at no extra charge.



The chow line was kept busy as our DC-10/KC-10 team celebrated completion of the first KC-10A fuselage on schedule with a picnic at Missile Park.

### Gary, Other Players Tee Off on Screen

This week's film, "The 1978 Masters Tournament," highlights the final round of a golf classic in which Gary Player, the oldest masters champion, recaptured the title.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11:30 a.m., noon, and 7:30 p.m.

### Eidenmiller, Poehlman in Management Program

Louis Eidenmiller, Operations Project Representative, Cruise Missile Final Assembly, and Phil Poehlman, Project Engineer — Tomahawk Sub-Ship Program, have been selected to participate in a 15-month developmental program beginning October 1 that will take them on a three-month tour at each of General Dynamics' five Aerospace Group divisions. They will work in a different department at each division to acquire an understanding of several functions while a full-time employee at each division.

Louis Eidenmiller came to us directly from Cal Poly-San Luis Obispo, where he earned a BS degree in mechanical engineering in 1975. He is now an MBA candidate at San Diego State University. Louis has worked in structural design, the machine shop, and Tomahawk final assembly during his four years at Convair.

Phil Poehlman was selected by the corporate office to be its representative in the program and we are pleased that Convair has two of the five participants in this outstanding program. Phil is a 1970 graduate of the United States Naval Academy and completed his military duty in June 1975. After obtaining a masters degree in applied mechanics at UCSD, he came to Convair in January 1977. His background in submarines has provided us an effective relationship with our Tomahawk customers.

### Updating Distribution

Anyone receiving distributions they no longer need should call Division Distribution (ext. 3993) and be taken off specific distribution lists. Or, call if you have a question about which lists you are on, want additional announcements, or need to make any changes in what you are now receiving. Updating the present system can now be accomplished with just a phone call.

### Charger Watchers

Four outstanding performers from Sheet Metal (001) and Processing (002) were given tickets to the San Diego Chargers-San Francisco Forty-Niners game yesterday. Selected by their management for outstanding work performance the past several months were Conrad Castro, Everett Fenwick, Harold Goss, and Howard Weber.

### Employment

For the week ending September 23, employment was 9,017.

# CONVAIR Weekly Log

October 8, 1979

Published by the Convair Division of General Dynamics

**Third ALCM Success**

The third successful flight of a U.S. Air Force/General Dynamics air launched cruise missile (ALCM) occurred Saturday, September 29. Launch of ALCM-4 (our AGM-109 vehicle designation) was from a B-52 strategic bomber over the Utah Test and Training Range. ALCM-4 was carried aloft aboard the B-52 from the Air Force Flight Test Center at Edwards Air Force Base.

Launch was from the aircraft's left pylon. After release, ALCM-4's wings, fins, and inlet deployed, the turbofan engine started, and the missile began its cruise flight. It then flew an intricate and varied route using its highly advanced guidance system to update and guide its course over the range. Upon completion of the test, ALCM-4 was recovered by helicopter using the Air Force mid-air recovery system.



Traveling to San Clemente Island for the launch of Tomahawk T24 were Ray Parga (left) and Monty Montgomery (right). That's Dick Bloom, chief of Engineering Flight Test, in the center. Both Ray and Monty are in Cruise Missile Final Assembly (Dept. 038). Ray, an operations representative, and Monty, group leader, were nominated for the trip by their supervisors because of their consistently high performance that has contributed to success in the Tomahawk program.

**OPENINGS FOR BOOSTERS**

Rare opportunity for outgoing person to meet outstanding people. As a Convair Management Association booster, you can be the contact person for new people as well as the catalyst and information source for the ones already on board. This is your way to gain immediate visibility and entry into leadership with CMA, along with the good feeling that comes with involvement and helping your peers. Call George Heller (ext. 1008), CMA director of Member Relations. Don't wait — do it today!

**Ribbon Cutting at Kearny**

Convair has completed renovation of KM building 27 for use as an avionics and harness fabrication center. J.L. "Joe" Stelma, director of Cruise Missile Production, officially opened the area last Monday.

**SAFETY SPOTLIGHT**

*"Oh dear me! Sorry, I thought you were on fire!"*

**Pay attention to posted signs — follow instructions.**

The 19,000-square-foot area houses Department 050-0, under B.P. "Bernie" Updike, which includes Avionics Manufacturing and Test, Airborne Harness Assembly, Ground Support Cable Assembly, and the Material and Production Control support departments.

The renovation was completed through the efforts of many, headed by R.D. "Dick" Leonard, chief of Plant Engineering, and aided by Greg Nestor, Mike Wolske and Don Vockrodt of Plant Services, and Ernie Calbert of Facilities Planning.

**Stock Plan Values for August**

Here are the unit values in dollars for the General Dynamics savings and stock investment plan as of August 31, 1979.

The values for salaried employees are: government bonds, 2.2061; diversified portfolio, 1.5515; fixed income, 1.0158; and General Dynamics stock, 41.875.

The values for hourly employees are: government bonds, 2.2063; diversified portfolio, 1.5872; and General Dynamics stock, 41.875.

**DC-10 Delivery**

We delivered DC-10 fuselage 317 last week to McDonnell Douglas as scheduled.

**Car Rental Discounts Available**

PHD Corporation will rent cars to General Dynamics employees for their personal use at discount rates.

FLIP

Check the rates posted on the bulletin boards or call PHD at 279-8600. The PHD office is at 3888 Kearny Mesa Road (at Convoy).

#### **Plant 19 Pavement Work This Week**

From October 10 through October 13, the pavement along the entire Pacific Highway side of Plant 19 will be repaved and sealed. Limited vehicular access to the plant will be provided at all times by detours as required, but parking inside the plant on the area to be reconditioned will not be allowed during the paving operation. Pavement marking and stripping will be performed the week of October 15.

#### **Charger (Tool) Power**

Eight members of Tool Manufacturing joined the crowd at San Diego Stadium to add Charger Power to Coryell, Fouts, et al. for their big win over San Francisco. The eight were selected to represent the hundreds of fellow workers who made significant contributions to the successful delivery of the first KC-10A cargo/tanker aircraft. The Tool Manufacturing team successfully completed over 200 tools a week over a sustained period of 35 weeks in support of the schedule demands of the KC-10A. Tool Manufacturing (and Don Coryell) extend thanks for their good efforts and enthusiasm, both here and at the stadium to: Ed Arregui, Harold Fix, Luigi Lacava, Roy Marino, Mike Rebetti, Danny Rios, Jim Turkle, and John Weiland.

#### **See World-Famed China Gymnasts at Saving**

The People's Republic of China national gymnastics team will begin its U.S. tour at the San Diego Sports Arena with an exhibition on Sunday, October 14, at 2 p.m. This is the team that last December won ten gold medals at the Eighth Asian Games in Bangkok.

The CRA has regular \$10 tickets for \$8.50 and \$7.50 seats for \$6.00. All Convair employees, families, and friends are invited, but tickets are limited. Get them at the clubhouse or from Jim Pate (ext. 1940).

#### **Management Seminars This Month and Next**

*'Critical Incidents in Management.'* Sound management techniques and applying management principles to solving problems are the subjects of the six-session seminar that will be held in the LF building 33 conference room from 4 to 5:30 p.m. on October 9, 16, 23, and 30, and November 6 and 13. The seminar is free for CRA members and costs \$5 for nonmembers.

*'Face-to-Face Management.'* Role-playing in small groups to help you gain insights in how your conversational habits strike others will structure the two-session seminar in the LF building 33 conference room from 4 to 5:30 p.m., on October 18 and 25. The seminar is free for both members and nonmembers.

Both these seminars are being sponsored by the Convair Management Association. For further information and to make reservations, call Klaus Flitner at ext. 4340.

#### **'Jesus' Film Tickets Through CRA**

Tickets at 20 percent off the box office price are available to all employees for the inspirational film "Jesus" that will be shown from October 26 through November 9 in area theaters. The tickets will be on sale through October 22 at the CRA clubhouse; and at Lindbergh in building 16, Employee Benefits office. Call the clubhouse (ext. 1111) for specific theaters and prices.

#### **'Junior Achievement' Seeks Advisors**

All Convair employees are invited to volunteer as advisors for the Junior Achievement groups sponsored here by the Convair Management Association. You'll get together with an appreciative group of young people one evening a week starting October 22 and running through next May. Advisor training is available. Call Bob Packer at ext. 2600.

#### **Attend Human Effectiveness Seminar Oct. 11**

Dr. Gary Meggelin of the United Learning Institute will conduct the seminar, which is being sponsored by the Convair Management Association. It will be held from 5:30 to 8:30 p.m., October 11, in the Kearny Mesa cafeteria.

A follow-up discussion conducted by Herb Richmond will be held for all seminar participants from October 18, from 4 to 5 p.m. in the Kearny Mesa cafeteria.

Fee for the seminar is \$12 for CMA members and \$17 for nonmembers. Reserve by 4 p.m. today with Joyce Smith (ext. 1275).

#### **CMA Membership Meeting Oct. 24**

James Boren, the wise and witty expert in bureaucratic obfuscation and author of "When in Doubt, Mumble," will be the featured speaker at the Convair Management Association dinner meeting on the evening of Wednesday, October 24, at the Islandia. Tickets are \$9 for CMA members and \$11.25 for nonmembers. All CMA representatives have them.

#### **This Time It's Steel on Silver Screen**

The dark depths of the earth, the fiery interior of a steel mill, the bustle of a shipyard — it's all in "Steelmakers."

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11:30 a.m., noon, and 7:30 p.m.

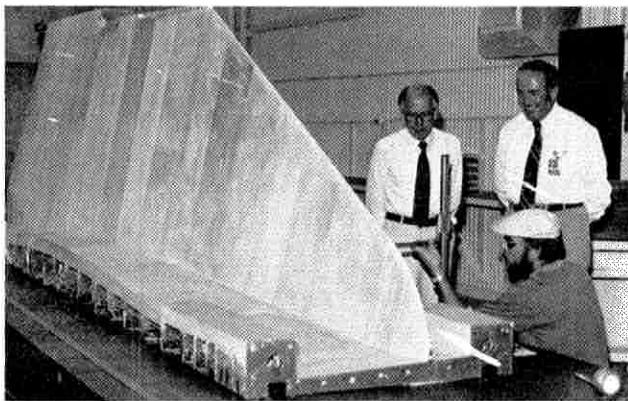
#### **Employment**

For the week ending September 30, employment was 9,030.

# CONVAIR Weekly Log

October 22, 1979

Published by the Convair Division of General Dynamics



Watching Richard Rolla, plaster pattern maker, make final checks on the 767 aft strut fairing are (left) Ed Leep, general supervisor in Tool Manufacturing, and Dave Chizlett, assistant program manager of the 767 program.

### 767 Strut Program Milestone

The first plaster master for the Boeing 767 strut program was recently completed in the plaster shop in building 7 at Lindbergh Field. The model is a precise and exact-size representation of the exterior surface of the strut aft fairing. This master model is the reference from which all of the tools are made, such as tools used with stretch formers, drop hammers, or for trimming and drilling.

To make the finished product shown above, the pattern makers installed the templates or headers that form the basic structural contour. They used optical aligning tools to hold accuracies to a few thousandths of an inch. After the templates were all installed and precisely aligned, the pattern makers installed a wire mesh and then plastered over the mesh. With a straight edge, they smoothed the plaster down to the template surfaces to form the precise surface shape.

### Make Appointment for Blood Drive This Week

The blood drive will be held at Kearny today and tomorrow, from noon to 5 p.m. in the fire station, and at Lindbergh on Wednesday, from 11:30 a.m. to 5 p.m. on the building 1 mezzanine. Call Employee Benefits at KM 3194 or LF 4001 to make an appointment.

### Program Sensitive Material for TWX Room

These are the security measures to follow:

When you bring Program Sensitive material to the TWX Room to be sent, do not put it in the in-box. It should be handed directly to the operator.

After this material has been transmitted, the operator will call you to pick it up. You must ask the operator for your material. It will not be put in the pickup box nor will it be mailed to your department.

*This week, Convair is observing San Diego Women's Work Week. See the special supplement that accompanies this weekly log for news of special events and of the women who work at Convair.*

### Call for Winter Softball

The organizational meeting for CRA men's slow-pitch softball winter league is being held on Wednesday at 5 p.m. in the CRA clubhouse. Managers of teams wanting to play in this league must attend this meeting. Play will be on Wednesdays and Thursdays. Call Tom Falconer at KM 3189 for information.

### Hewlett-Packard Tour This Thursday

The Convair Management Association is sponsoring a tour of the manufacturing area of the Hewlett-Packard facility at Rancho Bernardo. To get there, take the west Rancho Bernardo exit off Highway 163. The one-hour tour will start at 5 p.m. on Thursday. Meet at the front entrance of Hewlett-Packard. The tour is limited to 30 people. For more information and reservations, call Elaine Paras at KM 1691. Last year's group reports that the tour is a good one.

### CRA Health-Fitness Center Calendar

For further information on any of these events, call Marc Michaelson, CRA clubhouse, KM 1111.

*October 29-December 21.* Dynamic Health Design fitness and education sessions. The sessions will be taught by fitness specialists who will instruct on losing weight, improving muscle tone and appearance, reducing stress, and lowering heart disease risks.

The program consists of 24 sessions in eight weeks, held on Mondays, Wednesdays, and Fridays. Kearny Mesa: Missile Park, 4:30 to 5:15 p.m. Lindbergh Field: Spanish Landing, 3:45 to 4:30 p.m. The fee of \$30 includes two comprehensive fitness analyses.

*October 30:* Heart Health Risk Factor Workshop. Seven to 10 p.m., CRA clubhouse.

*November 5.* Positive Parenting: free introductory lecture by Cindy Rodi. Seven to 10 p.m., CRA clubhouse. The regular, six-session course will meet Monday evenings, November 12 through December 17. (Course fee: \$25 per person, \$35 per couple.)

### Long-Timers May Exchange Service Emblems

Employees who receive service emblems for ten years and beyond may exchange the emblem received for another type if they so desire. A man might want to have a bracelet for his wife rather than a tiebar for himself. Or a woman might want a tiebar for her husband. If you want to have both to note a service achievement, that's possible also: The emblems can

FLIP

## SAFETY SPOTLIGHT



*"-then he must be five times more careless than I!"*

**More accidents are caused by carelessness than by bad luck.  
Observe safety rules - Stay alert - Form safe work habits!**

be purchased at a modest cost. They're available in Employee Benefits at LF or Professional Placement at KM. Call Marty at KM 1534 for details.

### All Aboard for Las Vegas Dec. 14-16

Timed to get the holiday glow going, the next low-priced weekend trip to Las Vegas leaves from Kearny Mesa Friday evening, December 14, and returns Sunday evening. You travel by chartered, air-conditioned bus and stay at the Mini-Price Inn near the Strip. The price of \$135 double and \$80 single also includes a trip downtown on Saturday, free prizes, drinks, and snacks on the bus, and other extras. As usual, those buses will fill fast. For reservations, call Judy at LF 4247 or Barbara at KM 2826. The trip is being sponsored by the Convair Management Association.

### CMA Caribbean Cruisers a Happy lot

The fifty-six people who were aboard for the Convair Management Association's recent Caribbean cruise are back in port after a memorable seven-day voyage. Shirley Nowlin, co-cruise director with Barbara Freeman, reports that "the Management Club's Caribbean cruise turned out to be fantastic! Everyone came home with fabulous tans, additional weight (food was delicious), all kinds of straw hats, paintings, and figurines, and marvelous memories. You should have joined us. Maybe next year?" Not a bad idea.

### Free 'Financial Goals' Seminar Oct. 30

A seminar on using the right tools to reach your financial goals will be held Tuesday, October 30, from 6 to 8 p.m. in the Kearny Mesa cafeteria. The seminar, sponsored by the Convair Management Association, will be presented by Vaughan Woods of Diversified Financial Systems. The free seminar is being offered to all Convair employees, their families and guests. Refreshments will be served. For reservations, call Linda, KM 1525.

### Help — Duplicator Missing

Someone out there has borrowed the cassette tape duplicator owned by the Convair Management Association. It is needed, so would that someone please return it to Kearny Mesa Still Photo in building 4 (KM 1666)?

### 'Chemicals' Title of This Week's Movie

No details on this one except that it was produced by Monsanto, one of the nation's leading chemical companies.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

### Employment

For the week ending October 14, employment was 9,032

October 22, 1979

## CONVAIR CELEBRATES SAN DIEGO WOMEN'S WORK WEEK

Over the past five years, the Convair Division has seen an increase in the number of women employees and a change in the kinds of positions they hold.

The number of females has climbed from approximately 1,110 in December, 1974, to 1,700 today. This is roughly a 50 percent increase and brings the female population to about 18 percent. Today, women are a vital part of the Convair team in almost all work areas. In professional and technical positions, there are three times as many women as in 1974. The category of hourly manufacturing personnel is up 75 percent. Look around you. You'll see women who are administrators, secretaries, and supervisors . . . accountants, engineers, and scientists . . . inspectors, machine operators, guards, and production assemblers.

To some, these changes seem minimal and painfully slow. To others, they are much too fast and somewhat frightening. Whatever your perspective, these figures reflect the evolution of our culture. The times, they are a'changin'.

## See 'Women at Convair' Photo Exhibit

Photographer Pete Autio liked the assignment: to wander through Convair and take pictures of women at work throughout the company. He covered both Kearny and downtown to come up with an outstanding series of photos. They're on display all this week through Saturday. At Kearny Mesa, you'll find the exhibit in the main lobby (building 2). At Lindbergh, it will be shown in rotation on the Job Opportunity listing boards. Be sure to see it. (How many of the people shown can you identify?)



Verna Hathaway (right), Supervisor of Accounts Payable, checks the progress of a monthly closing with Betty Clancy, Accountant A.

Mayor Pete Wilson has proclaimed October 22 through 27 to be San Diego Women's Work Week. This is the first major celebration of its kind in the United States. Ten thousand women throughout San Diego County are expected to participate directly in special programs during the week.

Our continued success is dependent upon our maintaining a team of the brightest and best men and women, ready to meet the increasingly competitive challenges ahead.

*L.F. Buchanan*

Dr. L.F. Buchanan  
General Manager

## Calendar of Convair Events This Week

**Professional Effectiveness: A Seminar for Secretaries.** This pilot program is designed to meet the professional needs of secretaries. Participants will be invited this week. Seminar sessions will begin the week of October 29.

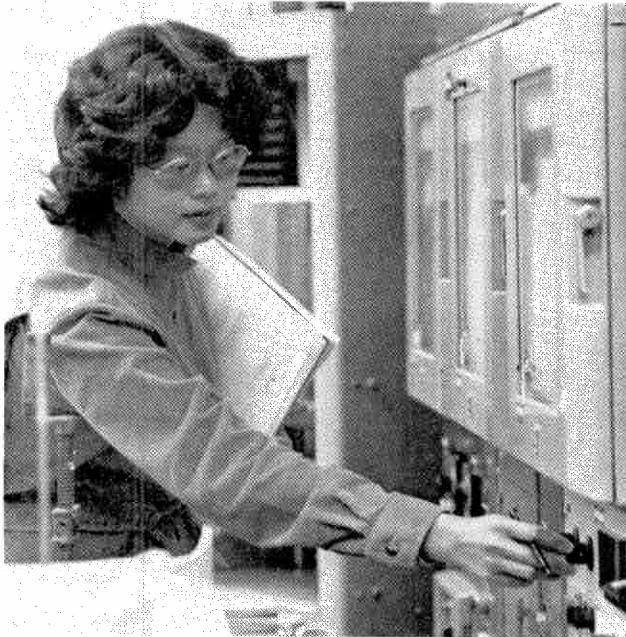
**Kearny Mesa Plant Tours.** Several outside educational-professional groups will be visiting the Kearny Mesa plant to learn about career opportunities at Convair.

**Other San Diego Activities.** For information about the many other events in San Diego during Women's Work Week, call Convair Educational Services at KM 2236 or LF 4564.



The machine shop — an unusual place to find a woman? Brenda Haley, Duplicating Machine Profiler Operator A, is one of many women fulfilling a vital role in Department 015.

FLIP



Senior Research Engineer Vivien Steger determines the amount of outgassing on a material in one of Convair's composites laboratories.

#### Time Capsule

If excerpts from TV commercials and magazines were placed in a time capsule for some later generation to find, the role of 1970s women would be seen something like this:

All women would appear to be between the ages of 20 and 30, slender and physically attractive. Bust measurements would surely be as large as 30s and women would be spending time primarily smoking cigarettes, buying clothing, and especially chasing dirt. Who are their heroes? Mr. Clean, Man from Glad, and Janitor in a Drum, who rescue their victims from that arch villain *Dirt!* Women's greatest competitive sports would be stacking up linen for whiteness comparisons and guessing whether one's spouse likes stuffing or potatoes.

Is this really the woman of the 70s?



Theresa Hopkins (left), Electronics and Electrical Assembly — Bench A, looks on as Irene Hannibal, Inspector, E&E — Assembly A, inspects a connector on a Tomahawk harness assembly.

#### Let's Get Rid of "The Girl"

*Wouldn't 1979 be a great year to take one giant step forward for womankind and get rid of "the girl"?* Your attorney says, "If I'm not here just leave it with the girl." The purchasing agent says, "Drop off your bid with the girl." A manager says, "My girl will get back to your girl."

*What girl? Do they mean Miss Rose? Do they mean Ms. Torres? Do they mean Mrs. McCullough? Do they mean Joy Jackson?*

*"The girl" is certainly a woman when she's out of her teens. Like you, she has a name. Use it.*

B.C.



© Field Enterprises, Inc., 1970



830



Johnny Hart

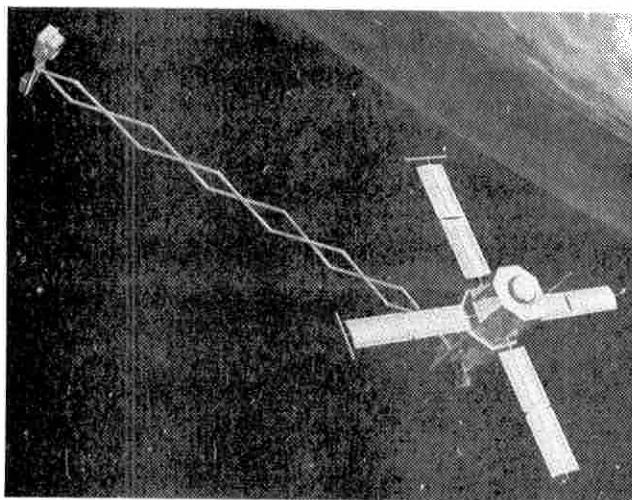


dear Human

## CONVAIR Weekly Log

November 12, 1979

Published by the Convair Division of General Dynamics



Magsat operating in space (artist's conception). The satellite's components that we manufactured are the precision optical bench within the satellite (upper left), the scissors-type boom (shown extended), and the magnetometer support plate at the end of the boom.

#### Convair Parts Key in Recently Launched Magsat

The Magnetic Field Measurement Satellite (Magsat) recently launched into low earth orbit from Vandenberg Air Force Base includes several key structural components designed and built at Convair.

The National Aeronautics and Space Administration spacecraft will be mainly used by the U.S. Geological Survey, though a total of 32 investigations made by several U. S. agencies and eight foreign nations are associated with that primary use. Specific Magsat program goals are to more accurately describe the earth's magnetic field, provide data for magnetic field model and charts, and complete a global magnetic anomaly map. Magsat will help identify large-scale variations in the geological and geophysical characteristics of the earth's crust and in turn aid in planning mineral and petroleum exploration.

While this is a low-cost program, the precision needed for Magsat to make detailed measurements required using the most advanced technology. A precision optical bench made of thermally stable graphite/epoxy and constructed at Convair under contract with the Johns Hopkins University Applied Physics Lab holds two star cameras that provide accurate attitude information. We also made the twenty-foot-long, extendable, scissor-shaped boom, which supports Magsat's magnetometers and a precision sun sensor, and a magnetometer support plate. These components are also made from graphite/epoxy material. The technology gained from this program is now being applied toward advanced large space structures. In operation in space, beams of infrared light from the main spacecraft body are aimed at mirrors on the end of the sensor boom, and the reflected beams are picked up at the spacecraft's optical bench area, where they are converted into measurements of relative displacement in pitch, roll, and yaw between the optical bench and the sensor platform.

Convair engineers and technicians from several departments worked on this program, including Composite Structures (646-0), Advanced Structural Design (673-0), Structures Analysis (681-0), and Organics & Composites (631-0). Witnessing the launch at Vandenberg were Mike Varlas (631), program manager, and Bruce Boston (681), chief engineer.

#### Corporate Third-Quarter Earnings Set Record

General Dynamics' earnings for the third quarter of 1979 were a record \$50.1 million, or \$1.86 per share, compared with earnings for the third quarter of 1978 of \$39.8 million, or \$1.50 per share.

Sales for the quarter amounted to \$1.1 billion, a 27 percent increase over the \$836 million reported in the same period last year.

David S. Lewis, chairman and chief executive officer, said the excellent results for the three-month period reflected continuing strong performance by almost every operating component of the corporation.

#### Tomahawk 17 Sub-Launched

Tomahawk 17 was successfully launched from the submerged nuclear attack submarine USS *Guitarro* last week, marking the 48th flight test for the program. T17 successfully made the transition from boost to cruise and flew a fully guided test flight over the ocean. After deployment of the recovery parachute, T17 was recovered at San Clemente Island. T17's flight marks more than 41 hours of flight, with launches from aircraft, submarines, and shore-based platforms.



Machine Shop (Dept. 015) Employee Suggestion Award winners for October. Responsible for suggestions representing savings of nearly \$4,000 and receiving checks along with their awards were (from left): Arthur Homan, James Cody, Elmer Glynn, Ardita Anderson, Richard Monroe, Robert Spencer, and Noel Strang. Also contributing but absent for the photo were James Dugan and Roger Batchelder. Congratulations, thanks, and keep those ideas flowing.

#### Value Engineering Workshop Concludes

The second Value Engineering Workshop concluded last Friday with presentations by project teams to management of the teams' analyses of more cost-effective ways to produce our products. The workshop included 41 participants from Research & Engineering, Operations, Quality Assurance, Finance, Integrated Logistics Support, and the Air Force Engineering with Industry program. Participants were divided into eight teams, and project leaders supported the teams as they applied value engineering techniques to their specific projects.

Senior project leader was Jim Sproat of R&E. Other project leaders were Howard Jones, Productivity Engineering, Fred Minter, Jr., Finance, and Berry Eng, Manufacturing Technology. Program coordinator and instructor was Everett Lindem of Educational Programs.

#### ETR Christmas Program Opens

Convair employees at the Eastern Test Range, in Florida, have kicked off their annual Christmas program through which they help to make the season bright for several needy families in the area. Employees donate clothes, household items, toys, etc., for resale in the flea market held each lunch period in Hangar K. Money raised from the sales and a drawing transforms into Christmas baskets loaded with food, clothes, toys, and Christmas goodies for each needy family.

Coordinating the ETR efforts are the employees serving on the Program Committee, headed by Jim Sylvester of Complex 36. Committee members serve as area representatives, conduct the flea market (coordinator is Doris Harris of the Calibration Lab), select

the recipient families, buy or solicit donations of the products for the Christmas baskets, and make up and deliver the baskets.

The flea market will run until December 14 and all ETR employees are invited to stop by Hangar K to pick up some great bargains — probably something you've always wanted — and to help the needy families.

#### **Industrial Relations Changes Locations**

Industrial Relations has made several changes of locations in building 1 at Kearny Mesa. Now on the first floor in the northeast corner are:

Equal Opportunity & Educational Programs manager (Jack Croft), KM 1374.

Management Development/Career Counselling (Don Davis, Ken Biccum), KM 2312.

Internal Communications (Tom Leech), KM 2255.

The manager of Employee Services & Security (Smoky Stover), KM 6444, is at column D-5. Relocated to column D-4 is College Relations (Earl Bailor), KM 6065.

On the sixth floor of KM building 1, Security & Investigation (Ed Barrett, supervisor), KM 1446, has moved to the southeast corner. The manager of Labor Relations & Employment (Ray Mendoza) is located at LF building 16, LF 7578.

#### **Workshop in Combating Loneliness Tomorrow**

Loss of a loved one, divorce, growing older, or even starting a new job, can cause a sense of emptiness, lead to feelings of loneliness and alienation. Often, we try to deal with our problems by ourselves. An alternative is to get together with others facing the same problems and find better ways to cope.

That is the purpose of the Alienation and Loneliness Workshop which will be conducted from 7:30 to 9:00 tomorrow evening in the CRA clubhouse by Keith Olson, Ph.D., of the Family Consultation Service. It is free, and all employees and their families are invited. The workshop is being presented by the CRA Health-Fitness Center and Health Education Committee.

#### **Lights Out, Folks**

It doesn't take a particularly sharp eye to see that many of us aren't paying much attention to conserving costly energy. Many lights are being left on long after employees have departed for the night. Lights stay on in too many rooms during the day when nobody is there. Let's all get in the habit — turn off the lights when you leave a room empty for more than a few minutes and definitely shut them off at night. It's a good habit to get into, both at work and at home.

#### **Smokers — Break the Shackles! At the Smokeout!**

This is the week of the Great American Smokeout, the annual group-quit program that offers extensive media attention and support to those who want to stop smoking. Since that seems to include about 90 percent of all smokers, why not make this the week that counts and join the great smokeout sponsored by the American Cancer Society? Stop by Employee Benefits or CRA, swear off for only one day, and receive the "Well Body Guide," an informative pamphlet loaded with tips about diet, exercise, stress reduction, etc. The guide is an immediate reward, but it is small potatoes compared to the real rewards of ending the addiction of smoking.

#### **See Lyceum Follies on Stage Nov. 23 and 24**

The Lyceum Theater downtown highlights the world of entertainment in a show that includes burlesque, vaudeville, night club acts, Broadway, and, yes, even circus acts. They don't skimp in their presentation, either, says our theater critic, who reports good singing and dancing, gorgeous costumes, delightful humor, and touches of sentiment along the way.

Performances are on November 23 and 24. Tickets are \$13.50 each, from Dave Miller (KM 3010) and Judy Braun (LF 4247). Sponsoring the ticket sale is the Convair Management Association.

#### **Dick Van Dyke in 'The Music Man' Dec. 21 and 22**

Here's a winner for holiday family entertainment: that popular Broadway musical "The Music Man," in performances starring Dick Van Dyke on Friday and Saturday, December 21 and 22. That's right at the start of our Christmas holidays. Tickets are \$17.50 for orchestra and \$15.00 for side orchestra. Reserve with Dave Miller (KM 3010) or Judy Braun (LF 4247). The Convair Management Association is sponsor.

#### **Ensenada Christmas Shopping Trip Dec. 1 and 2**

Chartered U.S. buses leave the flagpole at Kearny Mesa at 8:30 a.m. Saturday, December 1, for the border, where you transfer to comfortable Mexican buses for the scenic ride to Ensenada. You return to the KM plant Sunday afternoon. Trip highlights: breakfast at the Rosarito Beach Hotel, dinner at El Rey Sol, overnight and Sunday breakfast at the El Presidente La Pinta, and shopping in Ensenada on both Saturday and Sunday.

All employees and their families are invited, but the tour is limited to 40 persons only. The price per person, double occupancy, is \$56. That includes transportation, the meals and accommodation mentioned, all taxes and tips. Call Shirley Nowlin (KM 1163) or Barbara Freeman (KM 2826). The Convair Management Association is sponsoring this annual event.

#### **CRA Weekend in Las Vegas Nov. 30 to Dec. 2**

All General Dynamics employees and friends are invited to join the CRA-sponsored weekend in Las Vegas that begins on Friday evening, November 30, when the chartered buses depart. Return on Sunday. The price of \$62 each, double occupancy, includes a deluxe room for two nights at the Flamingo Hilton, transportation, free coupon books, baggage handling, and tips. Reserve at the CRA clubhouse or call KM 1111.

#### **RESERVE THIS WEEK**

#### **'Love Boat' Mexican Riviera Cruise in Jan. 1980**

Fly to Acapulco on Saturday, January 12, and cruise back to Los Angeles aboard the Pacific Princess (that's the love boat), arriving Saturday morning, January 19. Enjoy twenty-four hours in Acapulco, a day in Puerto Vallarta and Mazatlan, and half days in Zihuatanejo and Cabo San Lucas.

The price of \$1,265 to \$1,323 includes transportation from San Diego, outside stateroom, all meals and services aboard ship.

A \$350 deposit is due with your reservation by November 16. The balance is due November 26. For reservations and more information, call Shirley Nowlin at KM 1163 or Judy Braun at LF 4247. The trip is being sponsored by the Convair Management Association.

#### **'Mr. Roberts' on Deck Again This Weekend**

The CRA Space Players' production of "Mr. Roberts" stirred up memories for some and a lot of laughter in its premiere last week as the story unfolded about crew vs. captain aboard a Navy ship in WWII.

The fun continues this weekend with performances at 8 p.m. on Saturday, November 17, and 2 p.m. on Sunday. Tickets are \$3.00 advance sale and \$3.50 at the door. For reservations, call KM 1111.

#### **The Picture's Talking, But Nobody Else Is**

The only advance word we could get on the movie this week is the title, "Rehabilitation Miracle in the United States," and the producer, "Liberty Mutual Insurance."

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11:00 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

#### **Employment**

For the week ending November 4, employment was 9,036.

# CONVAIR Weekly Log

December 10, 1979

Published by the Convair Division of General Dynamics

**Air Launch Cruise Missile Flyoff Report**

AL-1 was launched Thursday from a B-52 aircraft off the coast of California. After following its planned route as programmed for 52 minutes, the vehicle crashed into an unpopulated, wooded area in Los Padres National Forest. The cause is under investigation.

This was the seventh of ten AGM-109 flights in the Department of Defense flyoff. Boeing's AGM-86B has also made seven flights.

**Aleshire/McKelvey Paper Receives Top Award**

Dr. Merle J. Aleshire and Mr. Robert D. McKelvey were awarded the David Rist prize and cash award for most outstanding technical paper presented at the 43rd National Symposium of the Military Operations Research Society at Annapolis, Md. The paper was entitled "Tactical Mission Applications for Conventionally Armed Cruise Missiles," and the award was presented on Wednesday, 5 December, at the 44th MORS symposium at Vandenberg AFB.

**DC-10 Fuselage Delivered**

We delivered DC-10 fuselage 324 to McDonnell Douglas in Long Beach on December 6, on schedule.

**Retirement Planning Lectures Start January 9**

"Retirement Planning" is the subject of a San Diego Community College lecture series starting January 9, 1980. Jointly sponsored by Employee Benefits and Educational Services, lectures will be held weekly on Wednesday evenings from 6:30 to 9:00 p.m. in Kearny Mesa plant facilities. Featuring top-notch guest speakers, the lectures will cover the complete range of retirement planning subjects. Enrollment is free and is open to employees and their spouses of all ages. A single, all-day condensed version may be planned for a Saturday if enough interest is expressed. Lecture groups will be limited in size, and reservations are first come, first served.

**Captain or Slave? A Safety Message.**

It's a strange thing about an accident. The moment before it occurs you're the employee in charge — the "captain of your soul." But everything changes the instant an accident strikes. Suddenly you're the one who got it. You may be in for a painful and lengthy recovery from an injury, permanently disabled.

Consequences of an accident can be devastatingly final. So remember while you're still in charge, there are a number of things you can do to prevent that accident: walk a few feet to lock out a switch, or get a better tool, or take a closer look. Ask someone who knows.

But if you fail to do the right things, that shattering moment of shock may be just around the corner.

The point is that now, while you read this, it's before the accident. You're still the employee in charge; it's all in your hands. Which is it going to be: "captain of your soul," or "slave to suffering damage and disability?"

**SAFETY SPOTLIGHT**

*"I only forgot to wear my Safety Glasses just that one time!"*

**In The Christmas Spirit**

Frequently, General Dynamics employees join together through their departments to adopt needy families, making donations of money, food, clothing, gifts, and toys. Without such Christmas donations, the holiday season for these families would be more than a bit dim. Through the Convair Con-Trib Club, families in need are identified, and departments wishing to adopt a family or wishing to explore the possibility can get this information from Con-Trib. Call Betty Taylor of Con-Trib at LF 4554.

**Wondering What To Give That Special "Someone" For Christmas?**

Why not give a "gift certificate" for the NMA-sponsored Alaskan cruise: Fly from San Diego on Thursday, June 12, 1980, to Vancouver, spend the night at the Hotel Georgia, sightsee Friday, and board the S.S. Calypso Friday afternoon. Cruise to Glacier Bay via the inside passage, with stops at Juneau, Skagway, and Ketchikan. Return to San Diego on Friday, 20 June 1980. For this all-inclusive package, prices range from \$980 to \$1,135 (per person, based on double occupancy). For additional information, call Shirley Nowlin, KM 1163.

**General Dynamics Night at Sea World December 28**

General Dynamics Night in the Snow at Sea World will be December 28, from 7:00 p.m. to 11:00 p.m. Three

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shows, including the Killer Whale Show, the Seal and Otter Show, and the Sparkletts Show will be featured. Tickets are \$5.25 for adults, and \$3.75 for children aged 4 to 12. No charge for children aged 3 and under. (That's an update from the CRA Newsletter December issue which listed tickets for "children aged 16 and under".) For ticket information call CRA, KM 1111.

#### **Last Chance To See "Annie"**

Tickets are going fast for this popular Broadway show sponsored by CMA. Excellent seats are still available for the February 9 performance at the Fox Theater in downtown San Diego. Tickets are \$17.50 each. Call Dave Miller, KM 3010, or Judy Braun, LF 4247, to make reservations.

#### **Reserve Space For Las Vegas Trip By Tuesday**

A few places are still available for the holiday weekend trip to Las Vegas from December 14 through December 16. Tomorrow, December 11, is the deadline for reservations at \$135, double occupancy, or \$80, single occupancy. Call Judy, LF 4247, or Barbara, KM 2826, to reserve space. Don't miss this fun-filled weekend sponsored by CMA.

#### **More Spaces Open For Rose Parade**

CRA Travel has arranged a second bus for the Rose Parade trip New Year's day. It's filling up fast, so make your reservations now, the first bus filled up in one day! The ticket price of \$32 includes round-trip transportation and choice, reserved, grandstand seats opposite the CBS television cameras and the official reviewing stand. Call the clubhouse at KM 1111.

#### **San Felipe Getaway, December 26-29**

Only two spaces are left for the San Felipe vacation which includes a bus tour of Baja California and visits to Tijuana, Tecate, Mexicali, Ensenada, and Mike's Sky Ranch. En route meals are included. To reserve, call CRA Travel, KM 1111.

#### **Novice Amateur Radio License Class Starts January 22**

A novice amateur license class, sponsored by the CRA Amateur Radio Club, W6UU, starts January 22, 1980. The course runs for 8 weeks and meets on Tuesday nights at 7:00 p.m. Fees are \$5.00 for membership plus \$5.00 for the course. The class is open to all General Dynamics employees and their families. John Newell, WB6SQG, and John Samuels, WD6EGR, will be the course instructors. For information and reservations call 292-7692 or 277-8900, KM 6255 or KM 2814.

#### **Free 'Psychology of Eating' Seminar on Dec. 11**

Why do some people have trouble losing weight and others have trouble gaining? What is binge eating and how can it be controlled? How can you eat in ways that are both healthy and satisfying?

These are among questions that will be addressed during the free seminar "The Psychology of Eating" on Tuesday, December 11, from 7 to 10 p.m. in the CRA clubhouse. The seminar will be conducted by Dr. Morton Shaevitz, associate clinical professor of psychiatry, UCSD School of Medicine. The seminar is being sponsored by the CRA Health-Fitness Center.

#### **Convair-Produced "Down To The Sea" Is This Week's Movie**

Featuring the shipbuilding operations at General Dynamics Quincy Shipbuilding Division, "Down to the Sea" is an action-packed movie. The color film, produced by our own motion picture department, is about 20 minutes long. Our film distributor says everyone will enjoy this one.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11:00 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

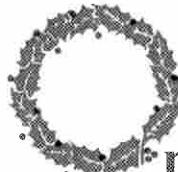
#### **Employment**

For the week ending December 2, employment was 9,055.

# CONVAIR Weekly Log

December 17, 1979

Published by the Convair Division of General Dynamics



In behalf of every member of the division staff, may I extend to each of you and your loved ones our best wishes for the holiday season. We have had a busy and exciting year at Convair. Our successes, and we have had some notable ones, have been achieved through the professionalism, innovation, skills, and hard work of the employees of Convair. We thank each of you for your contributions.

This was a special year at Convair for several reasons. We launched our 50th Atlas/Centaur and delivered our 300th DC-10 fuselage. (On that program, incidentally, we will be delivering 40 fuselages this year. Three short years ago we delivered only nine.) We've added many new facilities and new people — over 2,000 — to work on and in the facilities. We delivered the first KC-10A fuselage and cut the first chips on the Boeing 757 engine struts. We've been in an intense competition on the air launched cruise missile and continue toward production of Tomahawk. Our successes are significant and we have continued to learn from our problems. I am very encouraged by our progress. As we continue to improve our team efforts to become competitive producers and designers of quality hardware, I want to assure you that we will achieve our goal.

The impact of an ALCM win on our future is very significant. It provides the mechanism to continue our progress in transitioning of programs from development to production.

In two weeks we not only start a new year, we start a new decade. This is an especially good opportunity for reflection and for renewal of a commitment to excellence and achievement. May our efforts provide continued national strength which provides peace on earth and may our attitudes promote good will among people.

Let's make this a cordial and safe holiday season for us all.

#### Increased Requests Hamper PADR Operation

The recent explosion of requests for batch (paper) outputs from PADR (Parts & Data Records, the Engineering release record) may soon jeopardize efficient system operation. Because of the wide variety of reports available, it may be possible to produce smaller, more directly applicable reports resulting in a system work load reduction. For example, for the same cruise missile, a total indented parts breakdown takes 800 pages, an indented parts breakdown with only Convair numbers takes 120 pages, while an alphanumeric list of Convair numbers with quantities requires only 28 pages. To get the most direct answer to your question and help increase system efficiency, contact PADR Control at KM 2251. Requests in before Friday are available on Monday.

#### New Dialing Instructions for McDonnell Douglas, Long Beach

Effective Monday, December 17, from KM dial 5 + 3 + 7 + 593 + extension to reach McDonnell Douglas, Long Beach. From LF, dial 3 + 7 + 593 + extension. To reach attendant at Long Beach from KM and LF, dial 490-1111.

#### Convair Toastmasters Select Stark

Peter Stark was elected to a six-month term as president of Convair Toastmaster Club No. 3745. He assumes his duties on December 12. Newly-elected officers will be formally installed on January 9 at Pico's Pizza House, 3216 Greylings Drive at 7 p.m. Visitors and prospective members are invited.

Other officers include Steve Kozich and Martha

Sullivan, vice presidents; Bill Baer, secretary; Ted Parsons, treasurer; and Gary Mathews and Bill Lenkelis, sergeants-at-arms. Convair Toastmasters meets every Wednesday, 5 to 7 p.m., in the CRA Clubhouse, Room C. Call Bill Pfender, KM 2474, or Clarence Hicks, KM 2210, for information.

#### **Mark Dates for College Registration**

Registration for inplant Community College spring semester courses will be held at Kearny Mesa on Tuesday, January 8 in the building 2 lobby and at Lindbergh Field on Wednesday, January 9, in building 2, classroom 1. Hours will be 2-5 p.m. A large number of classes are being offered. Look for details on the bulletin boards.

#### **"The Women" Premieres January 5**

An insightful comedy by Clare Booth Luce, "The Women," premieres January 5 in the CRA Theatre. The sophisticated collection of vignettes features roles for more than 20 women encompassing comedy, satire, sarcasm, and poignancy. CRA Space Players' evening performances on January 5, 11, 12, 18, and 19 begin at 8 p.m. Matinee performances on January 6 and 13 at 2 p.m. For information and reservations call 277-8900, KM 1111 until 6 p.m., or 277-8626, from 6 to 9 p.m. on weekdays. Tickets are \$3.00 general admission, \$3.50 at the door, \$2.00 for senior citizens, and \$2.00 for children, ages 12 and under.



*Machine Shop (Dept. 015) Employee Suggestion Award winners for November are responsible for suggestions representing savings of nearly \$3,000. Receiving checks along with their awards were (front row from left): Chris Anderson, Rick Monroe. (Back row from left): Dave Tunnell, Bob Merkle, Mike Robertson, Andy Amandio. Also contributing, but absent for the photo, were Roger Dean and Robert Laff. Congratulations, thanks, and keep those ideas flowing.*

#### **Stock Plan Values for October**

Here are the unit values in dollars for the General Dynamics Savings and Stock Investment Plan as of October 31, 1979.

The values for salaried employees are: government bonds, 2.2271; diversified portfolio, 1.4977; fixed income, 1.0315; and General Dynamics stock, 45.38.

The values for hourly employees are: government bonds, 2.2272; diversified portfolio, 1.5324; and General Dynamics stock, 45.38.

#### **Convair B-24 Liberator Bomber on Display**

A Convair, Fort Worth-manufactured B-24 Liberator bomber goes on display at LF on December 22, compliments of the San Diego Aerospace Museum. The display commemorates the 40th anniversary of the first B-24 flight which took place from Lindbergh Field on December 29, 1939. The aircraft was delivered to A.C. Sea (Sea East Asia) in late 1944, and later served in the Indian Air Force until 1968. One of eight Liberators still in existence, the B-24 is currently owned by David Tallichet of Los Angeles.

General Dynamics employees and friends are invited to view the aircraft on display December 22, 23, 29 and 30. Parking will be in Lot No. 11, west of bldg. 4, LF, entered via Washington St. The B-24 will be located adjacent to the old Flight Operations Center, bldg. 34. Donations will be accepted by the Aerospace Museum.

#### **Dow New C of C President**

General Counsel H. Cushman Dow is the new president of the San Diego Chamber of Commerce. He was elected to lead the 2,500 member organization by vote of the Chamber Board of Directors. Cushman has been with General Dynamics since joining the Astronautics Division as general counsel in 1962. He became the division's general counsel when Astronautics merged into the Convair Division.

#### **Update on Needy Family Support**

Congratulations and thanks to all the Dept. 015 employees whose donations of over \$800, plus food, clothing, and gifts, will make the season brighter for four deserving families. It's not too late for employee groups to adopt a family for Christmas. Betty Taylor of Con-Trib, LF 4554, can provide you with pertinent information and a family for consideration.

#### **Holiday Spree Drawing Reminder**

Don't forget to turn in your employee suggestions for the Holiday Spree Drawing by the December 20 deadline! Winning entries will be drawn on December 21. First prize is \$150, second prize is \$100, and third prize is \$50. Each different suggestion counts as an entry, so send all you can. Use the forms provided at the suggestion boxes.

#### **Retirement Planning Lectures Start January 9**

"Retirement Planning" is the subject of a San Diego Community College lecture series starting January 9 through February 13. Jointly sponsored by Employee Benefits and Educational Services, lectures will meet weekly on Wednesday evenings from 6:30 to 9 p.m. in Kearny Mesa, building 2 presentation room. Enrollment is free and open to employees and their spouses. Reservations are first come, first served. Call Employee Benefits, KM 2267.

#### **Film Shows Halt to Inner-City Decay**

"The Time Has Come," by Federal National Mortgage Association, deals with housing revitalization and methods of reversing inner-city decay. The 29-minute film examines programs in five cities, and demonstrates how community groups, such as neighborhood organizations, real estate boards, and local legislators, can work together to promote a vital, growing community.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11:00 a.m. and noon. At Lindbergh, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

#### **Employment**

For the week ending December 9, 1979, employment was 9,079.

*The Weekly Log will next appear on January 7. Happy holidays till then.*

#### **Christmas is . . .**

Christmas is egg nog, bowl games, presents, and parties. It's crowded shopping centers, overdrawn checking accounts, drunk drivers, and Alka Seltzer. Amidst the parties and traffic jams, we might reflect on the idea of peace on earth and good will to all people, and conclude that Christmas is also:

- Treating each person with courtesy and respect
- Having genuine interest in other people
- Looking for the value each person has
- Giving each person the opportunity to stand or fall on his or her merits
- Lending a hand to fellow employees in need
- Helping each associate grow toward achieving his or her personal potential
- Letting people know their work is important and appreciated
- Enriching your relationships with enthusiasm and a sense of humor

Enjoy it all in camaraderie and safety. And come back to start an exciting new year at Convair refreshed by the true spirit of Christmas. MERRY CHRISTMAS!